

CLAIMS

1. A method for assessing a T-cell response to nucleic acid
5 administration
comprising
 - a) transferring into a mammal T-cells expressing a T-cell
receptor for an antigen (TCR-T-cells);
 - b) administering nucleic acid encoding said antigen to the
10 mammal;
 - c) assessing an immune response associated with said TCR-T-
cells.
2. A method according to claim 1 further comprising isolating a
15 sample containing TCR-T cells from said mammal after step (b), and restimulating
said sample with the antigen prior to step (c).
3. A method according to claim 1 or claim 2 wherein step (c)
comprises monitoring the TCR-T-cell population.
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4. A method according to claim 1 or claim 2 wherein step (c)
comprises monitoring cytokine production by said TCR-T-cells.
5. A method according to claim 4 wherein the cytokine is
25 interferon(and/or IL-5.
6. A method according to claim 5 wherein the levels of both IFN- γ and
IL-5 are measured.
- 30 7. A method according to claim 1 or claim 2 where step(c) comprises
monitoring cell-surface markers on TCR T-cells.
8. A method according to any preceding claim for assessing a T-cell
helper response wherein step (c) comprises assessing an immune response
35 associated with said TCR-T-cells indicative of a T-cell helper response.